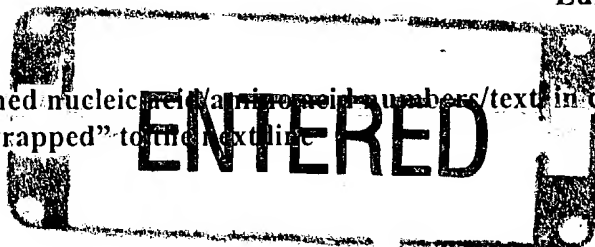# CRF Errors Edited by the STIC Systems Branch

Serial Number: __09/673,274C__     CRF Edit Date: __9/13/04__
                                    Edited by: ____

____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line.

**ENTERED**

____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

____ Deleted: ____ invalid beginning/end-of-file text ; ____ page numbers

____ Inserted mandatory headings/numeric identifiers, specifically:

_____

____ Moved responses to same line as heading/numeric identifier, specifically:

_____

_✓_ Other:
__Sequences 49, 52, 53 - aligned amino acid numbers__

_____

Revised 09/09/2003

IFW16

RAW SEQUENCE LISTING    DATE: 09/13/2004
PATENT APPLICATION: US/09/673,274C  TIME: 15:53:16

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\09132004\I673274C.raw**

```
 4 <110> APPLICANT: Lamberty, Mireille
 5       Bulet, Phillipe
 6       Brookhart, Gary
 7       Hoffman, Jules
 9 <120> TITLE OF INVENTION: GENE CODING FOR HELIOMICINE, AND USE THEREOF
11 <130> FILE REFERENCE: A33595-PCT-USA (075188.0110)
13 <140> CURRENT APPLICATION NUMBER: 09/673,274C
```
C--> ```14 <141> CURRENT FILING DATE: 2001-02-02```
```
16 <150> PRIOR APPLICATION NUMBER: PCT/FR99/00843
17 <151> PRIOR FILING DATE: 1999-04-12
19 <150> PRIOR APPLICATION NUMBER: FR 98 04933
20 <151> PRIOR FILING DATE: 1998-04-15
22 <160> NUMBER OF SEQ ID NOS: 53
24 <170> SOFTWARE: FastSEQ for Windows Version 4.0
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 147
28 <212> TYPE: DNA
29 <213> ORGANISM: Artificial Sequence
31 <220> FEATURE:
32 <223> OTHER INFORMATION: Synthetic oligonucleotide
34 <400> SEQUENCE: 1
35 agcttggata aaagagacaa gttgattggc agctgtgttt ggggcgccgt caactacact 60
36 agtgactgca acggcgagtg caagcgccgc ggttacaagg gtggccattg tggatccttc 120
37 gctaacgtta actgttggtg tgaaacc                                   147
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 169
41 <212> TYPE: DNA
42 <213> ORGANISM: Artificial Sequence
44 <220> FEATURE:
45 <223> OTHER INFORMATION: Synthetic oligonucleotide
47 <400> SEQUENCE: 2
48 gataagctta tcggttcctg cgtgtggggt·gctgtgaact acacttccga ttgcaacggt 60
49 gagtgcaaga ggaggggtta caagggtggt cactgcggtt ccttcgctaa cgtgaactgc 120
50 tggtgcgaga cttgagagct cggcgaggcg aacgtgtcga cggatccgg           169
52 <210> SEQ ID NO: 3
53 <211> LENGTH: 261
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: Synthetic oligonucleotide
60 <400> SEQUENCE: 3
61 ccatgggttt cgtgcttttc tctcagcttc catctttcct tcttgtgtct actcttcttc 60
62 ttttccttgt gatctctcac tcttgccgtg ccgataagct tatcggttcc tgcgtgtggg 120
```

```
 63 gtgctgtgaa ctacacttcc gattgcaacg gtgagtgcaa gaggaggggt tacaagggtg 180
 64 gtcactgcgg ttccttcgct aacgtgaact gctggtgcga gacttgagag ctcggcgagg 240
 65 cgaacgtgtc gacggatccg g                                        261
 67 <210> SEQ ID NO: 4
 68 <211> LENGTH: 120
 69 <212> TYPE: DNA
 70 <213> ORGANISM: Artificial Sequence
 72 <220> FEATURE:
 73 <223> OTHER INFORMATION: Synthetic oligonucleotide
 75 <400> SEQUENCE: 4
 76 gcgtcgacgc gatgggtttc gtgcttttct ctcagcttcc atctttcctt cttgtgtcta 60
 77 ctcttcttct ttccttgtg atctctcact cttgccgtgc tggagacgcg aattcacaca 120
 80 <210> SEQ ID NO: 5
 81 <211> LENGTH: 75
 82 <212> TYPE: DNA
 83 <213> ORGANISM: Artificial Sequence
 85 <220> FEATURE:
 86 <223> OTHER INFORMATION: Synthetic oligonucleotide
 88 <400> SEQUENCE: 5
 89 gcgtcgacgc gatgggtttc gtgcttttct ctcagcttcc atctttcctt cttgtgtcta 60
 90 ctcttcttct ttcc                                                 75
 92 <210> SEQ ID NO: 6
 93 <211> LENGTH: 72
 94 <212> TYPE: DNA
 95 <213> ORGANISM: Artificial Sequence
 97 <220> FEATURE:
 98 <223> OTHER INFORMATION: Synthetic oligonucleotide
100 <400> SEQUENCE: 6
101 tcgccggcac ggcaagagta agagatcaca aggaaaagaa gaagagtaga cacaagaagg 60
102 aaagatggaa gc                                                   72
104 <210> SEQ ID NO: 7
105 <211> LENGTH: 80
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Synthetic oligonucleotide
112 <400> SEQUENCE: 7
113 gataagctta tcggttcctg cgtgtggggt gctgtgaact acacttccga ttgcaacggt 60
114 gagtgcaaga ggaggggtta                                           80
116 <210> SEQ ID NO: 8
117 <211> LENGTH: 109
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Synthetic oligonucleotide
124 <400> SEQUENCE: 8
125 ccggatccgt cgacacgttc gcctcgccga gctctcaagt ctcgcaccag cagttcacgt 60
126 tagcgaagga accgcagtga ccacccttgt aacccctcct cttgcactc          109
128 <210> SEQ ID NO: 9
```

RAW SEQUENCE LISTING                    DATE: 09/13/2004
PATENT APPLICATION:  US/09/673,274C     TIME: 15:53:16

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\09132004\I673274C.raw

```
129 <211> LENGTH: 85
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Synthetic oligonucleotide
136 <400> SEQUENCE: 9
137 agggcccct agggtttaaa cggccagtca ggccgaattc gagctcggta cccggggatc 60
138 ctctagagtc gacctgcagg catgc                                      85
140 <210> SEQ ID NO: 10
141 <211> LENGTH: 66
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Synthetic oligonucleotide
148 <400> SEQUENCE: 10
149 ccctgaacca ggctcgaggg cgcgccttaa ttaaaagctt gcatgcctgc aggtcgactc 60
150 tagagg                                                           66
152 <210> SEQ ID NO: 11
153 <211> LENGTH: 93
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Synthetic oligonucleotide
160 <400> SEQUENCE: 11
161 ccggccagtc aggccacact taattaagtt taaacgcggc cccggcgcgc ctaggtgtgt 60
162 gctcgagggc ccaacctcag tacctggttc agg                             93
164 <210> SEQ ID NO: 12
165 <211> LENGTH: 93
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Synthetic oligonucleotide
172 <400> SEQUENCE: 12
173 ccggcctgaa ccaggtactg aggttgggcc ctcgagcaca cacctaggcg cgccggggcc 60
174 gcgtttaaac ttaattaagt gtggcctgac tgg                             93
176 <210> SEQ ID NO: 13
177 <211> LENGTH: 50
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Synthetic oligonucleotide
184 <400> SEQUENCE: 13
185 ggtctagaat ggcctgcacc aacaacgcca tgagggccct cttcctcctc             50
187 <210> SEQ ID NO: 14
188 <211> LENGTH: 50
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Synthetic oligonucleotide
```

RAW SEQUENCE LISTING           DATE: 09/13/2004
PATENT APPLICATION:  US/09/673,274C     TIME: 15:53:16

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\09132004\I673274C.raw

```
195 <400> SEQUENCE: 14
196 ccgaattcgg cgccgtgcac gatgcagaag agcacgagga ggaagagggc           50
198 <210> SEQ ID NO: 15
199 <211> LENGTH: 81
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Synthetic oligonucleotide
206 <400> SEQUENCE: 15
207 tctagaatgg cctgcaccaa caacgccatg agggccctct tcctcctcct gctcttctgc 60
208 atcgtgcacg gcgccgaatt c                                          81
210 <210> SEQ ID NO: 16
211 <211> LENGTH: 24
212 <212> TYPE: DNA
213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: Synthetic oligonucleotide
218 <400> SEQUENCE: 16
219 gataagctta tcggttcctg cgtg                                       24
221 <210> SEQ ID NO: 17
222 <211> LENGTH: 32
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Synthetic oligonucleotide
229 <400> SEQUENCE: 17
230 ggctcgagtc aagtctcgca ccagcagttc ac                              32
232 <210> SEQ ID NO: 18
233 <211> LENGTH: 213
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Synthetic oligonucleotide
240 <400> SEQUENCE: 18
241 tctagaatgg cctgcaccaa caacgccatg agggccctct tcctcctcct gctcttctgc 60
242 atcgtgcacg gcgataagct tatcggttcc tgcgtgtggg gtgctgtgaa ctacacttcc 120
243 gattgcaacg gtgagtgcaa gaggaggggt tacaagggtg gtcactgcgg ttccttcgct 180
244 aacgtgaact gctggtgcga gacttgactc gag                            213
246 <210> SEQ ID NO: 19
247 <211> LENGTH: 838
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Synthetic oligonucleotide
```
W--> 254 <221> **NAME/KEY: promoter**
```
255 <222> LOCATION: (7)...(532)
```
W--> 257 <221> **misc_structure**
```
258 <222> LOCATION: (533)...(568)
```
W--> 260 <221> **terminator**

RAW SEQUENCE LISTING      DATE: 09/13/2004
PATENT APPLICATION:   **US/09/673,274C**     TIME: 15:53:16

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\09132004\I673274C.raw**

```
    261 <222> LOCATION: (569)...(832)
W-->263 <400> 19
    264 aagcttccag aaggtaatta tccaagatgt agcatcaaga atccaatgtt tacgggaaaa 60
    265 actatggaag tattatgtga gctcagcaag aagcagatca atatgcggca catatgcaac 120
    266 ctatgttcaa aaatgaagaa tgtacagata caagatccta tactgccaga atacgaagaa 180
    267 gaatacgtag aaattgaaaa agaagaacca ggcgaagaaa agaatcttga agacgtaagc 240
    268 actgacgaca acaatgaaaa gaagaagata aggtcggtga ttgtgaaaga gacatagagg 300
    269 acacatgtaa ggtggaaaat gtaagggcgg aaagtaacct tatcacaaag gaatcttatc 360
    270 ccccactact tatcctttta tattttttccg tgtcattttt gcccttgagt tttcctatat 420
    271 aaggaaccaa gttcggcatt tgtgaaaaca agaaaaaatt tggtgtaagc tattttctttt 480
    272 gaagtactga ggatacaact tcagagaaat ttgtaagttt gtagatctcg attctagaag 540
    273 gcctgaattc gagctcggta ccggatccaa ttcccgatcg ttcaaacatt tggcaataaa 600
    274 gtttcttaag attgaatcct gttgccggtc ttgcgatgat tatcatataa tttctgttga 660
    275 attacgttaa gcatgtaata attaacatgt aatgcatgac gttatttatg agatgggttt 720
    276 ttatgattag agtcccgcaa ttatacattt aatacgcgat agaaacaaa atatagcgcg 780
    277 caaactagga taaattatcg cgcgcggtgt catctatgtt actagatcgg ggatcgat 838
    279 <210> SEQ ID NO: 20
    280 <211> LENGTH: 1036
    281 <212> TYPE: DNA
    282 <213> ORGANISM: Artificial Sequence
    284 <220> FEATURE:
    285 <223> OTHER INFORMATION: Synthetic oligonucleotide
W-->287 <221> NAME/KEY: promoter
    288 <222> LOCATION: (7)...(532)
W-->290 <221> CDS
    291 <222> LOCATION: (539)...(736)
W-->293 <221> terminator
    294 <222> LOCATION: (767)...(1030)
W-->296 <400> 20
    297 aagcttccag aaggtaatta tccaagatgt agcatcaaga atccaatgtt tacgggaaaa 60
    298 actatggaag tattatgtga gctcagcaag aagcagatca atatgcggca catatgcaac 120
    299 ctatgttcaa aaatgaagaa tgtacagata caagatccta tactgccaga atacgaagaa 180
    300 gaatacgtag aaattgaaaa agaagaacca ggcgaagaaa agaatcttga agacgtaagc 240
    301 actgacgaca acaatgaaaa gaagaagata aggtcggtga ttgtgaaaga gacatagagg 300
    302 acacatgtaa ggtggaaaat gtaagggcgg aaagtaacct tatcacaaag gaatcttatc 360
    303 ccccactact tatccttttta tattttttccg tgtcattttt gcccttgagt tttcctatat 420
    304 aaggaaccaa gttcggcatt tgtgaaaaca agaaaaaatt tggtgtaagc tattttctttt 480
    305 gaagtactga ggatacaact tcagagaaat ttgtaagttt gtagatctcg attctaga 538
    306 atg gcc tgc acc aac aac gcc atg agg gcc ctc ttc ctc ctc gtg ctc 586
    307 Met Ala Cys Thr Asn Asn Ala Met Arg Ala Leu Phe Leu Leu Val Leu
    308 1               5                   10                  15
    310 ttc tgc atc gtg cac ggc gat aag ctt atc ggt tcc tgc gtg tgg ggt 634
    311 Phe Cys Ile Val His Gly Asp Lys Leu Ile Gly Ser Cys Val Trp Gly
    312             20                  25                  30
    314 gct gtg aac tac act tcc gat tgc aac ggt gag tgc aag agg agg ggt 682
    315 Ala Val Asn Tyr Thr Ser Asp Cys Asn Gly Glu Cys Lys Arg Arg Gly
    316         35                  40                  45
    318 tac aag ggt ggt cac tgc ggt tcc ttc gct aac gtg aac tgc tgg tgc 730
    319 Tyr Lys Gly Gly His Cys Gly Ser Phe Ala Asn Val Asn Cys Trp Cys
```

RAW SEQUENCE LISTING ERROR SUMMARY     DATE: 09/13/2004
PATENT APPLICATION: **US/09/673,274C**     TIME: 15:53:17

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\09132004\I673274C.raw**

**Please Note:**
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:39; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21,23,24
Seq#:39; Xaa Pos. 25,27,28,29,30,31,32,33,34,35,37,38,39,40,41,42,43,45,47
Seq#:39; Xaa Pos. 48,49,50,51
Seq#:40; Xaa Pos. 2,3,4,5,6,7
Seq#:42; Xaa Pos. 1,2,3,4,5,6,7,8,9,11
Seq#:43; Xaa Pos. 2,3,4,5,6,7,8,9
Seq#:44; Xaa Pos. 2,3,4,5,6
Seq#:45; Xaa Pos. 2,3,4,5

VERIFICATION SUMMARY                          DATE: 09/13/2004
PATENT APPLICATION:   US/09/673,274C          TIME: 15:53:17

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\09132004\I673274C.raw**

```
L:14  M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:254 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:257 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19
L:260 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19
L:263 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19
L:287 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:290 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20
L:293 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20
L:296 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20
L:538 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:543 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39
L:548 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39
L:552 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39
L:557 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39
L:562 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39
L:566 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39
L:571 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39
L:572 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
M:341 Repeated in SeqNo=39
L:590 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:594 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:40
L:599 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:40
L:603 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:40
L:604 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:629 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:634 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:42
L:638 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:42
L:642 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:42
L:643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:655 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:660 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:43
L:664 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:43
L:665 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
L:677 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:682 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:44
L:686 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:44
L:687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:699 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:704 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:45
L:708 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:45
L:709 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
```

```
RAW SEQUENCE LISTING                    DATE: 09/13/2004
PATENT APPLICATION:  US/09/673,274C     TIME: 10:14:10

Input Set : A:\Sequence Listing 09673274.txt
Output Set: N:\CRF4\09132004\I673274C.raw
```

```
   4 <110> APPLICANT: Lamberty, Mireille
   5        Bulet, Phillipe
   6        Brookhart, Gary
   7        Hoffman, Jules
   9 <120> TITLE OF INVENTION: GENE CODING FOR HELIOMICINE, AND USE THEREOF
  11 <130> FILE REFERENCE: A33595-PCT-USA (075188.0110)
  13 <140> CURRENT APPLICATION NUMBER: 09/673,274C
C--> 14 <141> CURRENT FILING DATE: 2001-02-02
  16 <150> PRIOR APPLICATION NUMBER: PCT/FR99/00843
  17 <151> PRIOR FILING DATE: 1999-04-12
  19 <150> PRIOR APPLICATION NUMBER: FR 98 04933
  20 <151> PRIOR FILING DATE: 1998-04-15
  22 <160> NUMBER OF SEQ ID NOS: 53
  24 <170> SOFTWARE: FastSEQ for Windows Version 4.0
```

Does Not Comply
Corrected Diskette Needed

## ERRORED SEQUENCES

```
 752 <210> SEQ ID NO: 49
 753 <211> LENGTH: 9
 754 <212> TYPE: PRT
 755 <213> ORGANISM: Artificial Sequence
 757 <220> FEATURE:
 758 <223> OTHER INFORMATION: Synthetic peptide
 760 <400> SEQUENCE: 49
 761 Leu Leu Arg Gly Tyr Lys Gly Gly His
E--> 762  1    5          5                misaligned amino acid nos.
 791 <210> SEQ ID NO: 52
 792 <211> LENGTH: 6
 793 <212> TYPE: PRT
 794 <213> ORGANISM: Artificial Sequence
 796 <220> FEATURE:
 797 <223> OTHER INFORMATION: Synthetic peptide    same
 799 <400> SEQUENCE: 52
 800 Ala Ala Ala Ala Gly Ser
E--> 801  1    5          5
 804 <210> SEQ ID NO: 53
 805 <211> LENGTH: 5
 806 <212> TYPE: PRT
 807 <213> ORGANISM: Artificial Sequence
 809 <220> FEATURE:
 810 <223> OTHER INFORMATION: Synthetic peptide
 812 <400> SEQUENCE: 53
```

RAW SEQUENCE LISTING            DATE: 09/13/2004
PATENT APPLICATION:   **US/09/673,274C**      TIME: 10:14:10

Input Set : **A:\Sequence Listing 09673274.txt**
Output Set: **N:\CRF4\09132004\I673274C.raw**

```
      813 Ser Leu Asp Lys Arg
E--> 814   1    5                5
```

**VERIFICATION SUMMARY**          DATE: 09/13/2004
PATENT APPLICATION: **US/09/673,274C**     TIME: 10:14:11

Input Set : **A:\Sequence Listing 09673274.txt**
Output Set: **N:\CRF4\09132004\I673274C.raw**

```
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:254 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:257 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19
L:260 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19
L:263 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19
L:287 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:290 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20
L:293 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20
L:296 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20
L:538 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:543 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39
L:548 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39
L:552 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39
L:557 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39
L:562 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39
L:566 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39
L:571 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39
L:572 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:574 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:16
L:576 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:32
L:578 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:48
L:590 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:594 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:40
L:599 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:40
L:603 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:40
L:604 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:629 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:634 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:42
L:638 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:42
L:642 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:42
L:643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:655 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:660 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:43
L:664 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:43
L:665 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
L:677 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:682 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:44
L:686 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:44
L:687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:699 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:704 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:45
L:708 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:45
L:709 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
L:762 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:49
L:801 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:52
L:814 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:53
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